



DAC
Patent
52478-0900

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Masahiro Oashi et al.

Serial No.: 09/587,107

Filed: June 2, 2000

For: MULTI-MEDIA INFORMATION
RECORD DEVICE AND A
MULTI-MEDIA INFORMATION
PLAYBACK DEVICE

Patent Examiner: Hong, Stephen S.

Group Art Unit: 2178

November 24, 2004

Irvine, California 92614

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OFFICE OF PETITIONS

PETITION TO ACCEPT A SUPPLEMENTAL DECLARATION

MISSING A JOINT INVENTOR'S SIGNATURE PURSUANT TO 37 C.F.R. § 1.47(a)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sirs:

In response to the Office Action of August 27, 2004, Applicant hereby submits the Declaration of Shigeo Takenouchi along with the Declaration executed by Masahiro Oashi, Yuki Kusumi, Masahiro Kawai and Chihiro Kawahara along with the appropriate fee.

The only missing inventor is Ryoichi Sasaki. Mr. Sasaki resigned after the filing of the Japanese priority patent applications on March 31, 1995. Mr. Sasaki did execute the original Declaration in the parent application filed on August 8, 1995, which issued as U.S. Patent No. 5,767,845 on June 16, 1998, and subsequently executed a Reissue Application Declaration on June 21, 2000 (copies attached).

11/30/2004 MDE12551 00000103 192014 09/27/07

01 FD:1463 200.00 DE

However, when requested to file a Supplemental Reissue Declaration requested by the Examiner in the prosecution of the Reissue Application, Mr. Sasaki, as an ex-employee, refused to sign.

The last known resident address of the omitted inventor, Ryoichi Sasaki, is of record in his declaration as Post Office Address 5-3-207, Nakino-Kitamachi, Hirakati-shi Osaka, 573 Japan.

In the Office Action of October 25, 2002, the Reissue Application was contended to be defective because errors which were relied upon were purportedly inappropriate to support a Reissue Application. A diligent effort was made to have a supplemental reissue declaration executed by each of the inventors, including Ryoichi Sasaki. In this regard, a letter was forwarded to Mr. Sasaki by Shigeo Takenouchi, a representative of the assignee, by Registered Mail on February 24, 2003, requesting his assistance in executing a first supplemental reissue declaration. Confirmation receipts were received from the Japanese Postal Service indicating that Mr. Sasaki had received our request. He did not respond, and repeated attempts were made in March and April to establish a direct contact with Mr. Sasaki.

The attached Declaration of Mr. Takenouchi and Exhibits A to D confirm that on April 14, 2003, he had a phone conference with Mr. Sasaki, who indicated that he did not intend to execute a Reissue Supplemental Declaration unless there was a personal benefit for himself. Mr. Sasaki was a former employee of the assignee of the invention, and had previously executed Declarations for not only the original U.S. Patent No. 5,767,845, but also the current Reissue Declaration that was filed in this case.

Subsequent efforts were made to contact Mr. Sasaki in an effort to try and convince him to change his position, but apparently Mr. Sasaki has no interest in any contact with his former

employer, nor any interest in signing a Supplemental Reissue Declaration that would assist the former employer.

Subsequently in the prosecution, the Examiner recently made a request for yet another Supplemental Declaration, and again an effort was made to contact Mr. Sasaki to secure his signature. Copies of the Supplemental Declaration, the Supplemental Amendment and the explanatory letter were sent by Registered Mail and Courier to Mr. Sasaki, but were not able to be delivered. Mr. Sasaki apparently has relocated and is missing. The last known address on Mr. Sasaki is contained in the prosecution file on the present application, since he had originally executed the Reissue Declaration for the Reissue Application.

In summary, all of the inventors, including Mr. Sasaki, executed not only the original Declaration in 1995, but also executed the Reissue Declaration in the year 2000. When Mr. Sasaki was requested to execute a Supplemental Declaration, he refused to assist the assignee. Additional attempts to change his position and to request that he reconsider, along with the presentation of the most recent request for a Supplemental Declaration, were unsuccessful.

It is respectfully submitted that the present applicant has made all reasonable and diligent efforts to secure the further cooperation of Mr. Sasaki and has more than adequately complied with the requirements of 37 C.F.R. § 1.47(a).

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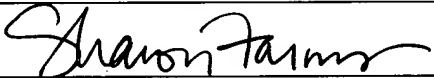
///

///

If there are any questions with regards to this Petition, the undersigned attorney would appreciate a telephone conference.

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on November 24, 2004.

By: Sharon Farnus




Signature

Dated: November 24, 2004

Respectfully submitted,

SNELL & WILMER L.L.P.



Joseph W. Price
Registration No. 25,124
1920 Main Street, Suite 1200
Irvine, California 92614-7230
Telephone: (949) 253-4920



ATTORNEY DOCKET NO.

COMBINED DECLARATION AND POWER OF ATTORNEY
IN ORIGINAL APPLICATION

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name; that I verily believe that I am the original, first and sole inventor (if only one name is listed below) or joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought, entitled:

A MULTI-MEDIA INFORMATION RECORD DEVICE, AND A MULTI-MEDIA
INFORMATION PLAYBACK DEVICE

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the specification of which:

(check one)

☒ is attached hereto.☐ was filed on _____

Application Serial No. _____

and was amended on _____

(if applicable)

OFFICE OF PETITIONS

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56 (a).

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Foreign Application(s), if any, for Patent or Inventor's Certificate Filed Within 12 Months Prior to the Filing Date of This Application:

Country	Application No.	Date of Filing (Day, Month, Year)	Priority Claimed Under 35 U.S.C. 119
<u>Japan</u>	<u>6-188424 Pat.</u>	<u>10 August 1994</u>	Yes <u>X</u> No _____
<u>Japan</u>	<u>7-199807 Pat.</u>	<u>4 August 1995</u>	Yes <u>X</u> No _____
_____	_____	_____	Yes _____ No _____
_____	_____	_____	Yes _____ No _____
_____	_____	_____	Yes _____ No _____
_____	_____	_____	Yes _____ No _____

All Foreign Applications, if any, for Patent or Inventor's Certificate Filed More Than 12 Months Prior to the Filing Date of This Application:

Country	Application No.	Date of Filing
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(1) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)

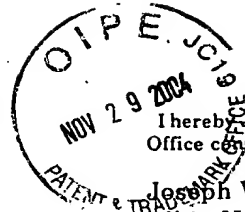
(Filing Date)

(Status)
(patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)



I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Joseph W. Price (Reg. 25,124)
Albin H. Gess (Reg. 25,726)
Franklin D. Ubell (Reg. 27,009)

Joseph C. Andras (Reg. 33,469)
Kenneth L. Sherman (Reg. 33,783)
Daniel C. Mallery (Reg. 33,532)

Send Correspondence To:

PRICE, GESS & UBELL
2100 S.E. Main Street, Suite 250
Irvine, California 92714
Telephone: 714/261-8433

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OFFICE OF PETITIONS

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment or both (18 U.S.C. 1001) and may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF SOLE OR FIRST INVENTOR Masahiro OASHI		INVENTOR'S SIGNATURE <i>Masahiro Oashi</i>	DATE August 4, 1995
RESIDENCE 43-22, Nomuramotomachi, Hirakata-shi, Osaka 573-01 Japan		CITIZENSHIP Japan	
POST OFFICE ADDRESS same as above			
FULL NAME OF SECOND JOINT INVENTOR, IF ANY Yuki KUSUMI		INVENTOR'S SIGNATURE <i>Yuki Kusumi</i>	DATE August 4, 1995
RESIDENCE 3-15-40, Sekiyakita, Kashiba-shi, Nara 639-02 Japan		CITIZENSHIP Japan	
POST OFFICE ADDRESS same as above			
FULL NAME OF THIRD JOINT INVENTOR, IF ANY Masahiro KAWAI		INVENTOR'S SIGNATURE <i>Masahiro Kawai</i>	DATE August 4, 1995
RESIDENCE 7-23, Kanou, Higashi-Osaka-shi, Osaka 578 Japan		CITIZENSHIP Japan	
POST OFFICE ADDRESS same as above			
FULL NAME OF FOURTH JOINT INVENTOR, IF ANY Chihiro KAWAHARA		INVENTOR'S SIGNATURE <i>Chihiro Kawahara</i>	DATE August 4, 1995
RESIDENCE 1-24-4, Terakatamotomachi, Morinouchi-shi, Osaka 570 Japan		CITIZENSHIP Japan	
POST OFFICE ADDRESS same as above			
FULL NAME OF FIFTH JOINT INVENTOR, IF ANY Ryoichi SASAKI		INVENTOR'S SIGNATURE <i>Ryoichi Sasaki</i>	DATE August 4, 1995
RESIDENCE 5-3-207, Makino-Kitamachi, Hirakata-shi, Osaka 573 Japan		CITIZENSHIP Japan	
POST OFFICE ADDRESS same as above			
FULL NAME OF SIXTH JOINT INVENTOR, IF ANY		INVENTOR'S SIGNATURE	DATE
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			



PTO/SB/51 (12-97)
Approved for use through 9/30/00. OMB 0651-0033
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

REISSUE APPLICATION DECLARATION BY THE INVENTOR

Docket Number (Optional)

NAK1-AS70r

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is described and claimed in patent number 5,767,845, granted June 16, 1998, and for which a reissue patent is sought on the invention entitled MULTI-MEDIA INFORMATION RECORD DEVICE AND A MULTI-MEDIA INFORMATION PLAYBACK DEVICE

the specification of which

☒ is attached hereto.

☒ was filed on June 2, 2000 as reissue application number 09 / 587,107
and was amended on _____
(If applicable)

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)

☐ by reason of a defective specification or drawing.

☒ by reason of the patentee claiming more or less than he had the right to claim in the patent.

☒ by reason of other errors.

At least one error upon which reissue is based is described as follows:

Claims 1 and 4 were amended by a Rule 312 Amendment on February 2, 1998, to replace "disc" with --recording medium--, but the issued claims did not enter the correction.

Claims 1, 4, 7, 9, 25, and 25 define page information as "successively" stored in a storage area, while the prior art did not require such a description and therefore the patentees claimed less than they had a right to claim.

Claims 19 and 20 define "successively" regarding time sequence information in a storage area, while the prior art did not require such a description and therefore the patentees claimed less than they had a right to claim.

[Page 1 of 3]

Burden Hour Statement: This form is estimated to take 0.5 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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(REISSUE APPLICATION DECLARATION BY THE INVENTOR, page 2)

Docket Number (Optional)
NAK1-AS70r

All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant. As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Name(s)

Registration Number

Joseph W. Price, 25,124

Michaël J. Moffatt, 39,304

Albin H. Gess, 25,726

Bradley D. Blanche, 38,387

Franklin D. Ubell, 27,009

Gordon E. Gray III, 42,602

Correspondence Address: Direct all communications about the application to:

☐ Customer Number

OR

Type Customer Number here

Place Customer Number Bar
Code Label here☐ Firm or
Individual Name

Joseph W. Price, PRICE, GESS & UBELL

Address

2100 S.E. Main St., Ste. 250

Address

City

Irvine

State

CA

ZIP

92614

Country

USA

Telephone

949/261-8433

Fax

949/261-9072

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.

Full name of sole or first inventor (given name, family name)

Masahiro Oashi

Inventor's signature

*Masahiro Oashi*Residence
Osaka, Japan

Date June 21, 2000

Post Office Address 43-22, Nomuramotomachi,
Hirakata-shi, Osaka 573-01 JapanCitizenship
Japan

Full name of second joint inventor (given name, family name)

Yuki Kusumi

Inventor's signature

Yuki Kusumi

Date June 21, 2000

Residence
Kashiba, JapanCitizenship
Japan

Post Office Address 3-15-40, Sekiyakita, Kashiba-shi, Nara 639-02 Japan

Full name of third joint inventor (given name, family name)

Masahiro Kawai

Inventor's signature

Masahiro Kawai

Date June 21, 2000

Residence
Higashi-Osaka, Japan

Citizenship Japan

Post Office Address

7-23, Kanou, Higashi-Osaka-shi, Osaka 578 Japan

☒ Additional joint inventors are named on separately numbered sheets attached hereto.

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Full name of second ^{XXXX} joint inventor (given name, family name) Chihiro Kawahara	
Inventor's signature <i>Chihiro Kawahara</i>	Date June 21, 2000
Residence Osaka, Japan	Citizenship Japan
Post Office Address 1-24-4, Tarakatamotomachi, Moriguchi-shi, Osaka 570 Japan	
Full name of third joint inventor (given name, family name) Ryoichi Sasaki	
Inventor's signature <i>Ryoichi Sasaki</i>	Date June 21, 2000
Residence Osaka, Japan	Citizenship Japan
Post Office Address 5-3-207, Makino-Kitamachi, Hirakata-shi, Osaka 573 Japan	
Full name of sole or first inventor (given name, family name)	
Inventor's signature	
Residence	Date
Post Office Address	Citizenship
Full name of second joint inventor (given name, family name)	
Inventor's signature	Date
Residence	Citizenship
Post Office Address	
Full name of third joint inventor (given name, family name)	
Inventor's signature	Date
Residence	Citizenship
Post Office Address	



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PTO/SB/51 (06-03)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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REISSUE APPLICATION DECLARATION BY THE INVENTOR

Docket Number (Optional)
52478-0900

I hereby declare that:

Each inventor's residence, mailing address and citizenship are stated below next to their name.

I believe the inventors named below to be the original and first inventor(s) of the subject matter which is described and claimed in patent number 5,767,845, granted June 16, 1998and for which a reissue patent is sought on the invention entitled MULTI-MEDIA INFORMATION RECORD DEVICE AND A MULTI-MEDIA INFORMATION PLAYBACK DEVICE

the specification of which

☐ is attached hereto.☒ was filed on 06/02/2000 as reissue application number 09/587,107
and was amended 11/21/2001, 06/06/2002, 09/24/2002, 04/29/2003, 11/17/2003.
(If applicable)

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

☐ I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b). Attached is form PTO/SB/2B (or equivalent) listing the foreign applications.

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)

☐ by reason of a defective specification or drawing.☒ by reason of the patentee claiming more or less than he had the right to claim in the patent.☒ by reason of other errors.

At least one error upon which reissue is based is described below. If the reissue is a broadening reissue, such must be stated with an explanation as to the nature of the broadening:

Claims 1, 4, 7, 25 and 26 define page information as "successively" stored in a storage area, while the prior art did not require such a description and therefore the patentees claimed less than they had a right to claim.

Claim 19 defines "successively" regarding time sequence information in a storage area, while the prior art did not require such a description and therefore the patentees claimed less than they had a right to claim.

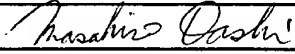
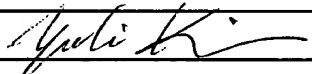
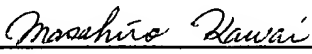
Claim 7 is amended to replace "disc" with —recording medium—.

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[Page 1 of 3]

This collection of information is required by 37 CFR 1.175. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

(REISSUE APPLICATION DECLARATION BY THE INVENTOR, page 2)					Docket Number (Optional) 52478-0900	
All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant. As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this						
Name(s)		Registration Number				
<u>Joseph W. Price, Reg. No. 25,124</u>		<u>Ketan Vakil, Reg. No. 43,215</u>				
<u>Albin H. Gess, Reg. No. 25,726</u>		<u>David J. Zoetewey, Reg. No. 45,258</u>				
<u>Julio Loza, Reg. No. 47,758</u>		<u>and other attorneys or agents associated with Customer Number 21611</u>				
Correspondence Address: Direct all communications about the application to:						
<input checked="" type="checkbox"/> Customer Number 21611						
OR						
<input type="checkbox"/> Firm or		Joseph W. Price				
Address		SNELL & WILMER LLP				
Address		1920 Main Street, Suite 1200				
City		Irvine	State	CA	Zip	92614
Country		USA				
Telephone		949-253-4920	Fax	949-955-2507		
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.						
Full name of sole or first inventor (given name, family name) Masahiro Oashi						
Inventor's signature 			Date 8/31/2004			
Residence Osaka, Japan			Citizenship Japan			
Mailing Address 43-22, Nomuramotomachi, Hirakata-shi, Osaka 573-01 Japan						
Full name of second joint inventor (given name, family name) Yuki Kusumi						
Inventor's signature 			Date 8/31/2004			
Residence Kashiba, Japan			Citizenship Japan			
Mailing Address 3-15-40, Sekiyakita, Kashiba-shi, Nara 639-02 Japan						
Full name of third joint inventor (given name, family name) Masahiro Kawai						
Inventor's signature 			Date 8/31/2004			
Residence Osaka, Japan			Citizenship Japan			
Mailing Address 7-23, Kanou, Himashi-Osaka-shi, Osaka 578 Japan						
<input checked="" type="checkbox"/> Additional joint inventors or legal representative(s) are named on separately numbered sheets forms PTO/SB/02A or 02LR attached						

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION**ADDITIONAL INVENTOR(S)**

Supplemental Sheet

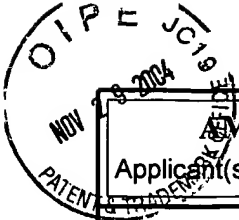
52478-0900

Page 3 of 3

Name of Additional Joint Inventor, If any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle [if any])		Family Name or Surname		
Chihiro		Kawahara		
Inventor's Signature	<i>Chihiro Kawahara</i>		Date 8/31/2004	
Residence: City	Osaka	State	Country Japan	Citizenship Japan
Mailing Address		44-21-405, Ishihara-cho, Kadoma-shi		
Mailing Address				
City	Osaka	State	ZIP 571	Country Japan
Name of Additional Joint Inventor, If any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle [if any])		Family Name or Surname		
Ryoichi		Sasaki		
Inventor's Signature			Date	
Residence: City	Osaka	State	Country Japan	Citizenship Japan
Mailing Address		5-3-207, Makino-Kitamachi, Hirakata-shi		
Mailing Address				
City	Osaka	State	ZIP 573	Country Japan
Name of Additional Joint Inventor, If any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle [if any])		Family Name or Surname		
Inventor's Signature			Date	
Residence: City		State	Country	Citizenship
Mailing Address				
Mailing Address				
City		State	ZIP	Country

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



DAV

AMENDMENT TRANSMITTAL LETTER (Large Entity)				Docket No. 52478-0900	
Applicant(s): Masahiro Oashi et al.					
Application No. 09/587,107	Filing Date 06/02/2000	Examiner Stephen S. Hong	Customer No. 21611	Group Art Unit 2178	Confirmation No. 6813

Invention:

MULTI-MEDIA INFORMATION RECORD DEVICE AND A MULTI-MEDIA INFORMATION PLAYBACK DEVICE

COMMISSIONER FOR PATENTS:

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Transmitted herewith is an amendment in the above-identified application.

The fee has been calculated and is transmitted as shown below.

OFFICE OF PETITIONS

CLAIMS AS AMENDED

	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST # PREV. PAID FOR	NUMBER EXTRA CLAIMS PRESENT	RATE	ADDITIONAL FEE
TOTAL CLAIMS	26 -	26 =	0 x	\$18.00	\$0.00
INDEP. CLAIMS	9 -	9 =	0 x	\$88.00	\$0.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT					\$0.00

- ☐ No additional fee is required for amendment.
- ☒ Please charge Deposit Account No. 19-2814 in the amount of \$130.00 for Petition Fee
- ☐ A check in the amount of to cover the filing fee is enclosed.
- ☒ The Director is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account 19-2814
- ☒ Any additional filing fees required under 37 C.F.R. 1.16.
- ☒ Any patent application processing fees under 37 CFR 1.17.
- ☐ Payment by credit card. Form PTO-2038.

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Signature

Joseph W. Price
Reg. No. 25,124
SNELL & WILMER LLP
1920 Main Street, Suite 1200
Irvine, CA 92614
Tel: 949-253-4920

Dated: November 24, 2004

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on 11/24/2004 (Date)
Signature of Person Mailing Correspondence
Sharon Farnus
Typed or Printed Name of Person Mailing Correspondence

cc:



DECLARATION OF SHIGEO TAKENOUCHI

1. I, SHIGEO TAKENOUCHI, am employed in R&D Intellectual Property Center of Matsushita Electric Industrial Co., Ltd. as Senior Coordinator.
2. Mr. Ryoichi Sasaki is a former employee of Matsushita Electric Industrial Co., Ltd., who worked as an engineer starting on April 1, 1992, and his employment terminated on March 31, 1995.
3. In an effort to provide an executed Supplemental Declaration in U.S. Reissue Application Serial No. 09/587,107 filed on June 2, 2000, I forward a letter attached hereto (Exhibit A), a copy of U.S. Patent No. 5,767,845 by registered mail to Ruyichi Sasaki on February 24, 2003.
4. I subsequently received a confirmation from the Japanese Postal Service that our mail was delivered on February 25, 2003 to Mr. Sasaki. See Exhibit B.
5. I made repeated attempts in March and April of 2003 to contact Mr. Sasaki, and in this regards, we also contacted Mr. Taketo YOSHII, a friend of Mr. Sasaki, and requested him to provide contact information to permit us to directly contact Mr. Sasaki.
6. On April 14, 2003, I received a phone call from Mr. Sasaki who asked specifically what personal advantage he was to gain as an ex-employee if he agreed to sign the reissue Supplemental Declaration. His comments were to the effect that he saw no advantage in executing such a reissue Supplemental Declaration for himself personally and would not execute the reissue Supplemental Declaration.
7. I subsequently made an effort to contact Mr. Sasaki at the phone number he had provided me and left a message on his answering machine requesting a meeting, so that I could

explain the circumstances, including any merit to him as an inventor. Mr. Sasaki never returned the phone call.

8. On August 31, 2004, I again made an effort to contact Mr. Sasaki to determine if he would reconsider and execute a further revised Supplemental Declaration. I forwarded to him the attached Supplemental Declaration, the Supplemental Amendment of April 27, 2004, and an explanatory letter, Exhibit C, by both registered mail and courier to Mr. Sasaki [Exhibit C].

9. Attached is a response [Exhibit D], indicating the documents of Exhibit C which were forwarded to the last known address associated with Mr. Sasaki were undeliverable.

10. I currently have no knowledge of Mr. Sasaki's present location, nor do I have any reason to believe that he had changed his position from April 14, 2003 in refusing to sign a Declaration in this reissue application.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Executed on November 16, 2004, at Osaka Japan.

Shigeo Takenouchi
SHIGEO TAKENOUCHI

Exhibit A

2003年2月24日

佐々木 亮一 様

松下電器産業株式会社

R & D企画室 知財・法務グループ 知財第五チーム

竹之内 茂雄

Reissue Application Declaration へのご署名依頼の件

拝啓 時下ますますご清栄のこととお慶び申し上げます。突然の書状をお送りして申し訳ありません。

さて、佐々木様が弊社開発本部情報通信研究所にご在職中に共同発明者となられてた下記発明に対し、Reissue Application Declaration への佐々木様の署名をいただく必要が生じてまいりました。Reissue とは、一度米国にて登録になった特許に対し、クレーム追加等で再度審査にかけるもので、本願の場合、登録となったクレームに不要な限定があるとの理由で、米国特許庁に再度審査をしてもらっています。ところが、登録時のクレームに新たな発明を追加するのですから、再度発明者の方にご自分の発明に対する宣言をしていただくことが必要となります。そこで、米国特許庁の指示から Reissue Application Declaration を提出するようにとの指示を受けました。

佐々木様は既に弊社を退社されておりますので、佐々木様と連絡を取らせていただきたく、本特許出願時の住所に郵送にて照会の連絡をさせていただいたしだいです。別途、佐々木様には、佐々木様のご友人である吉井様を経由して、2003年1月23日と2月18日の2回、E-mail を送付させていただきましたが、まだご返事をいただいております。このため以前のご住所にお住まいか否かを確認させていただきたく、本連絡をさせていただきました。

つきましては、まことにお手数ですが、本状を受け取られましたら、下記宛にご一報いただけないでしょうか。よろしく願いいたします。ご参考までに佐々木様が共同発明者になられている米国登録特許公報を同封いたします。

敬具

記

<本案件>

USP 特許番号 : US 5, 7 6 7, 8 4 5 (1998/06/16)

発明の名称 : マルチメディア処理方法及び装置

発明者 : 大蘆雅弘、楠見雄規、河合眞宏、川原千尋、佐々木亮一

<連絡先>

松下電器産業株式会社 R & D 企画室

知財・法務グループ 知財第五チーム 竹之内 茂雄

〒571-8501 大阪府門真市大字門真 1006 番地

E-mail: takenouchi.shigeo@jp.panasonic.com

TEL: 06-6900-9276 FAX: 06-6907-8018

<同封書類>

Reissue 前の米国特許公報 (US5,767,845) . . . 1 通

以上

Translation of DOCUMENT 1

February 24, 2003

To Mr. Ryoichi Sasaki

Matsushita Electric Industrial Co., Ltd.
R&D Planning Office, Intellectual Property/Justice Group,
Intellectual Property 5th Team
Shigeo Takenouchi

Request to Sign Reissue Application Declaration

Dear Mr. Sasaki,

Please forgive us to send this letter suddenly.

We are now required to have your signature on the Reissue Application Declaration which is to be submitted in regard with the invention on which you took part as a co-inventor while you worked for Matsushita Electric Industrial Co., Ltd. In general, reissue applications are filed to the USPTO when the applicants desire to add claims to patents that have been issued, or for some other reasons. The reissue applications are subjected to the examination procedure. In the case of the present reissue application, we filed it in the USPTO for the reason that we

had found unnecessary limitations in the claims, and it is currently examined. We received an instruction from the USPTO to submit the Reissue Application Declaration signed by the inventors. This is required since we are going to add new claims to the original claims of the patent.

You resigned after the application for the invention was filed.

We send this letter to the address that was the same as the one when the application was filed. In parallel with this, we sent you e-mails via Mr. Yoshii who is a friend of yours, on January 23, 2003 and February 18, 2003, but we have not received a reply from you. We accordingly send this letter hoping that you are living in the same residence as before.

Please contact us as indicated below if you succeeded to receive this letter. For your information we enclose the U.S. patent for which Mr. Sasaki is a co-inventor.

U.S. Patent Serial Number: 5,767,845 (1998/06/16)

Title of the Invention: Multi-Media Information Record Device
and a Multi-Media Information Playback Device

Inventors: Masahiro Oashi, Yuuki Kusumi, Masahiro Kawai, Chihiro
Kawahara, Ryoichi Sasaki

Please contact to:

Matsushita Electric Industrial Co., Ltd.,
R&D Planning Office, Intellectual Property/Justice Group,
Intellectual Property 5th Team

Shigeo Takenouchi

〒571-8501

1006, Kadoma, Kadoma-City, Osaka

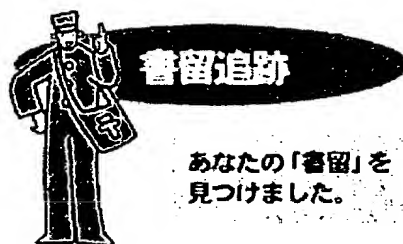
E-mail: takenouchi.shigeru@ip.panasonic.com

TEL: 06-6900-9276 FAX: 06-6907-8018

Enclosed Document

U.S. Patent Serial Number: 5,767,845

Exhibit **B**



検索した番号は 175-10-46145-2(一般書留)です

状態 発生日	郵便局名	状態	備考	郵便番号	県名等
2月24日	守口	発送		570-8799	大阪
2月25日	布施	中継		577-8799	大阪
2月25日	枚方北	到着		573-1199	大阪
2月25日 12:14	枚方北	お届け先にお届け済		573-1199	大阪

[小包](#)
[書留](#)
[空箱10時郵便](#)
[TIME](#)
[TOP](#)
[郵便局を調べる](#)

Translation of DOCUMENT 2

RESULTS OF TRACKING THE REGISTERED MAIL

We found your "registered mail".

<Omission>

(The box "Delivered" is checked as "1", indicating that the registered mail was successfully delivered)

<Omission>

Exhibit C

2004 年 8 月 31 日

大阪府枚方市牧野北町 5 - 3 - 2 0 7

佐々木 亮一 様

松下電器産業株式会社
R & D 知的財産権センター
竹之内 茂雄

拝啓 時下ますますご清栄のこととお慶び申し上げます。

さて、2003 年春に佐々木様に連絡させていただいた、佐々木様が共同発明者の一人になられている米国特許第 5,767,845 号の下記再発行出願 (Reissue) に関する件で連絡させていただきます。

米国特許出願第 09/587,107 号

発明の名称：多重媒体情報記録装置

出願日：2000 年 6 月 2 日

松下整理番号：P12792-02

国内代理人整理番号：FP-95040a

海外代理人整理番号：52478-0900 (AS70r)

本件について、米国特許庁から補正再発行出願宣誓書を提出するようにとの要請を受け取りました。この補正宣誓書は、佐々木様が 2000 年 6 月 21 日付で他の発明者の方々と一緒に署名された宣誓書を修正するためのものです。

元の宣誓書には、クレーム 26 と記載されるべきところを、クレーム 25 と記載されるという、不注意による誤りがありました。そこで、この手紙に現在のクレームを記載した最新の補充補正書と、この軽度の誤りを修正する補充再発行出願宣誓書とを同封しております。ご存知の通り、佐々木様が弊社の従業員をされていた 1998 年に米国特許第 5,767,845 号が発行されました。今回の再発行出願の目的は、この米国特許の誤りを修正することにあります。従いまして、弊社が必要としているのは、新規の特許に関するものではなく、既に存在する特許の見直しに関するものだけです。

以前、2003 年 2 月 24 日付で、手紙と上記米国特許のコピーを佐々木様に書留郵便にてお送りしました。これらの文書送付に関しては、2003 年 2 月 25 日付での配達証明を確認しております。

2003 年春、弊社より数回にわたって佐々木様に連絡を取らせていただきました。そして 2003 年 4 月 14 日、佐々木様から、補正宣誓書への署名をなぜしなければいけないかという、署名をなさりたくない旨の電話をいただきました。同日夕刻に、

佐々木様に会って説明したい旨の連絡をさせていただきましたが、その後、ご返事をいただくことができませんでした。

そこでお手数をおかけいたしますが、宣誓書にご署名の上、弊社まで返信していただけるのか、または宣誓書に署名しない旨を弊社までご連絡いただければ有難く存じます。ご連絡いただければ、本件に関して、佐々木様にこれ以上のお手を煩わせることはないでしょう。弊社の希望として、佐々木様には、他の共同発明者の方と共に補充宣誓書に署名していただきたく、ご検討よろしくお願い申し上げます。

敬具

<連絡先>

〒571-8501

門真市大字門真1006番地

松下電器産業株式会社

R & D知的財産権センター 知財開発グループ

竹之内 茂雄

TEL:06-6900-9276

FAX:06-6907-8018

E-mail: takenouchi.shigeo@jp.panasonic.com

<同封書類>

2003年2月24日付 佐々木様へのご署名依頼状	・・・	1通
2003年4月8日付 佐々木様へのご署名依頼状	・・・	1通
Reissue 前の米国特許公報 (US5,767,845)	・・・	1通
最新の補充補正書	・・・	1通
補充再発行出願宣誓書	・・・	1通

以上

August 31, 2004

To Mr. Ryoichi Sasaki
5-3-207, Makino-Kitamachi,
Hirakata-shi, Osaka

Shigeo Takenouchi
R&D Intellectual Property Center
Matsushita Electric Industrial Co., Ltd.

Dear Mr. Sasaki,

I am writing to you about the matter on which I sent correspondence to you in the spring of 2003, regarding a reissue application for U.S. patent serial number 5,767,845 for which Mr. Sasaki is a co-inventor, identified as:

U.S. Patent Application Serial No. 09/587,107

Title of the Invention: Multi-Media Information Record
Device and a Multi-Media Information Playback
Device

Application Date: June 2, 2000

Matsushita Serial No. P12792-02

Japanese Agent Serial No. FP-95040a

U.S. Agent Serial No. 52478-0900 (AS70r)

In regards with the above-identified case, we received a request from the USPTO to submit an Amendment to the Reissue Application Declaration. This is for amending the Declaration you signed on June 21, 2000 together with the other inventors.

The original Declaration included an inadvertent error. That is to say, Claim 26 was mistakenly written as Claim 25. For your information, I enclose a copy of a recently prepared Supplemental Amendment that shows current claims, and also enclose a copy of the Amendment to the Reissue Application Declaration

prepared to correct this inadvertent error. As you may know, the U.S. Patent Serial No. 5,767,845 was issued in 1998 when you were a worker of our company. The reissue application is filed for the purpose of correcting the error in the U.S. Patent. That is to say, at present, we seek revision of the existing patent, not a new patent.

I sent a letter to you by registered mail on February 24, 2003, enclosing a copy of the U.S. Patent. It was certified that this letter had been delivered to you on February 25, 2003.

We sent correspondence to you several times in the spring of 2003. And on April 14, 2003, we received a phone call from you asking specifically what personal advantage you were to gain as an ex-employee if you agreed to sign the Declaration, giving us what appeared to be a negative answer concerning the signing.

In the same evening, I made a phone call to you and left a message on your answering machine requesting a meeting so that I could explain the circumstances to you in person. You have returned no phone call since then.

We would be grateful if you could let us know whether you could return us the Declaration signed by you or you will not sign the Declaration. After we receive a reply from you, we would never trouble you regarding this matter. We hope that you sign the Amendment to the Reissue Application Declaration together with the other inventors. Thank you for your consideration.

Please contact to:

Shigeo Takenouchi

Intellectual Property Development Group, R&D Intellectual
Property Center,

Matsushita Electric Industrial Co., Ltd.

1006, Kadoma, Kadoma-City, Osaka 571-8501

TEL: 06-6900-9276 FAX: 06-6907-8018

E-mail: takenouchi.shigeru@ip.panasonic.com

Enclosed Documents

- * A copy of our letter dated February 24, 2003 to Mr. Sakaki requesting to sign Reissue Application Declaration
- * A copy of our letter dated April 8, 2003 to Mr. Sakaki requesting to sign Reissue Application Declaration
- * A copy of published U.S. Patent Serial Number: 5,767,845 (before reissue)
- * A copy of recently prepared Supplemental Amendment
- * A copy of Amendment to the Reissue Application Declaration

2003年4月8日

佐々木 亮一 様

松下電器産業株式会社

R & D企画室 知財・法務グループ 知財第五チーム

竹之内 茂雄

Reissue Application Declaration へのご署名依頼の件

拝啓 時下ますますご清栄のこととお慶び申し上げます。

さて、佐々木様には2003年2月24日付の書留にて郵送させていただいた添付の書状の件です。佐々木様には、ご多忙中のところ何度も連絡させていただき、申し訳ありません。弊社の都合にて佐々木様のお手を煩わすこととなりますが、Reissue Application Declaration への佐々木様の署名をいただきたく、再度連絡させていただきました。

最終の米国特許庁への提出期限が4月25日に迫っており、それまでに何とか連絡を取らせていただきたく、まことにお手数ですが、本状を受け取られましたら、下記宛にご一報いただけないでしょうか。よろしくお願いいたします。ご参考までに佐々木様が共同発明者になられている米国登録特許公報を同封いたします。

敬具

記

<本案件>

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発明の名称 : マルチメディア処理方法及び装置

発明者 : 大蘆雅弘、楠見雄規、河合眞宏、川原千尋、佐々木亮一

<連絡先>

松下電器産業株式会社 R & D 企画室

知財・法務グループ 知財第五チーム 竹之内 茂雄

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E-mail: takenouchi.shigeo@jp.panasonic.com

TEL: 06-6900-9276 FAX: 06-6907-8018

<同封書類>

2003 年 2 月 24 日付 佐々木様へのご署名依頼状 . . . 1 通

Reissue 前の米国特許公報 (US5,767,845) . . . 1 通

以上

April 8, 2003

To Mr. Ryoichi Sasaki

Shigeo Takenouchi
Intellectual Property 5th Team,
Intellectual Property/Justice Group, R&D Planning Office,
Matsushita Electric Industrial Co., Ltd.

Request to Sign Reissue Application Declaration

Dear Mr. Sasaki,

I am writing to you about the matter mentioned in our previous letter sent to you by registered mail, dated February 24, 2003.

I am sorry to keep you posted when you are so busy, but would appreciate it if you could sign the Reissue Application Declaration.

It is getting close to April 25, 2003 which is the final due date for filing. I hope that you will understand our position and would be grateful if you could contact us as indicated below upon reception of this letter. We enclose the published U.S. patent for which Mr. Sasaki is a co-inventor, for your reference.

U.S. Patent Serial Number: 5,767,845 (1998/06/16)

Title of the Invention: Multi-Media Information Record Device
and a Multi-Media Information Playback Device

Inventors: Masahiro Oashi, Yuki Kusumi, Masahiro Kawai, Chihiro
Kawahara, Ryoichi Sasaki

Please contact to:

Shigeo Takenouchi

Intellectual Property 5th Team, Intellectual Property/Justice

Group, R&D Planning Office
Matsushita Electric Industrial Co., Ltd.
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2003年2月24日

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松下電器産業株式会社

R & D企画室 知財・法務グループ 知財第五チーム

竹之内 茂雄

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敬具

記

<本案件>

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発明者 : 大蘆雅弘、楠見雄規、河合眞宏、川原千尋、佐々木亮一

<連絡先>

松下電器産業株式会社 R & D企画室

知財・法務グループ 知財第五チーム 竹之内 茂雄

〒571-8501 大阪府門真市大字門真 1006 番地

E-mail: takenouchi.shigeo@jp.panasonic.com

TEL: 06-6900-9276 FAX: 06-6907-8018

<同封書類>

Reissue 前の米国特許公報 (US5,767,845) . . . 1 通

以上

Translation of DOCUMENT 1

February 24, 2003

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Matsushita Electric Industrial Co., Ltd.
R&D Planning Office, Intellectual Property/Justice Group,
Intellectual Property 5th Team
Shigeo Takenouchi

Request to Sign Reissue Application Declaration

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Title of the Invention: Multi-Media Information Record Device
and a Multi-Media Information Playback Device

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Enclosed Document

U.S. Patent Serial Number: 5,767,845

REISSUE APPLICATION DECLARATION BY THE INVENTOR

Docket Number (Optional)

52478-0900

I hereby declare that:

Each inventor's residence, mailing address and citizenship are stated below next to their name.

I believe the inventors named below to be the original and first inventor(s) of the subject matter which is described and claimed in patent number 5,767,845, granted June 16, 1998and for which a reissue patent is sought on the invention entitled MULTI-MEDIA INFORMATIONRECORD DEVICE AND A MULTI-MEDIA INFORMATION PLAYBACK DEVICE

the specification of which

☐ is attached hereto.☒ was filed on 06/02/2000 as reissue application number 09/587,107
and was amended 11/21/2001, 06/06/2002, 09/24/2002, 04/29/2003, 11/17/2003.
(If applicable)

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

☐ I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b). Attached is form PTO/SB/2B (or equivalent) listing the foreign applications.

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)

☐ by reason of a defective specification or drawing.☒ by reason of the patentee claiming more or less than he had the right to claim in the patent.☒ by reason of other errors.

At least one error upon which reissue is based is described below. If the reissue is a broadening reissue, such must be stated with an explanation as to the nature of the broadening:

Claims 1, 4, 7, 25 and 26 define page information as "successively" stored in a storage area, while the prior art did not require such a description and therefore the patentees claimed less than they had a right to claim.

Claim 19 defines "successively" regarding time sequence information in a storage area, while the prior art did not require such a description and therefore the patentees claimed less than they had a right to claim.

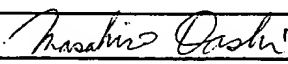
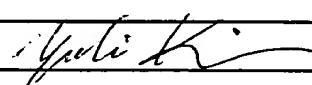
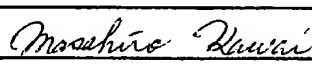
Claim 7 is amended to replace "disc" with --recording medium--.

(Page 1 of 3)

This collection of information is required by 37 CFR 1.175. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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(REISSUE APPLICATION DECLARATION BY THE INVENTOR, page 2)		Docket Number (Optional) 52478-0900	
All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant. As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this			
Name(s)		Registration Number	
<u>Joseph W. Price, Reg. No. 25,124</u>		<u>Ketan Vakil, Reg. No. 43,215</u>	
<u>Albin H. Gess, Reg. No. 25,726</u>		<u>David J. Zoetewey, Reg. No. 45,258</u>	
<u>Julio Loza, Reg. No. 47,758</u> and other attorneys or agents associated with Customer Number 21611			
Correspondence Address: Direct all communications about the application to:			
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.			
Full name of sole or first inventor (given name, family name) Masahiro Oashi			
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Full name of third joint inventor (given name, family name) Masahiro Kawai			
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<input checked="" type="checkbox"/> Additional joint inventors or legal representative(s) are named on separately numbered sheets forms PTO/SB/02A or 02LR attached			

DECLARATION**ADDITIONAL INVENTOR(S)**

Supplemental Sheet

52478-0900

Page 3 of 3

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
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City	Osaka	State	ZIP 573 Country Japan
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Inventor's Signature			Date
Residence: City		State	Country Citizenship
Mailing Address			
Mailing Address			
City		State	ZIP Country

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IN THE CLAIMS:

1 1. (Original) A multi-media information playback device which plays back multi-
2 media a disc information [recorded in a recording medium] comprising:

3 (a) a [disc] recording medium having pieces of page information, each of
4 which is made up of multi-media information that describes contents of a plurality of screen
5 images, [successively] stored in a storage area, the page information including:

6 (1) a partial image list having a pair of partial image information
7 showing a partial image of a screen image and display state information showing
8 display state of the partial image, and

9 (2) control information which describes a command to be executed
10 according to an input signal, including a display state change command
11 instructing to change the display state of the partial image;

12 (b) a page information read means for reading a piece of page information
13 from the [disc] recording medium;

14 (c) a display data creation means for creating display data of the screen image
15 by placing the partial image shown. by the partial image information on a screen;

16 (d) a display means for displaying each display data created by the display
17 data creation means;

18 (e) an input means for receiving an input signal from an operator; and

19 (f) a command execution means for detecting the input signal inputted by the
20 operator, judging whether the input signal corresponds to the command described by the control
21 information the page information read by the page information read means, and instructing the
22 display data creation means to create new display data by changing the display state of the

23 corresponding partial image according to the display state change command when the input
24 signal corresponds to the display state change command;
25 wherein the display data creation means creates new display data according to the
26 command execution means.

1 2. (Original) The multi-media information playback device of claim 1, wherein the
2 page information includes:

3 (a) the partial image list;
4 (b) the control information including an animation display command
5 instructing to change and display the display state information of the partial image corresponding
6 to elapsed time; and

7 (c) time sequence control information including animation control
8 information which describes values of the display state information of the partial image
9 corresponding to the elapsed time;

10 wherein the command execution means includes:

11 (a) a first timer for measuring the elapsed time after start of activation;
12 and

13 (b) an animation display command execution unit for activating the
14 first timer when an input signal corresponding to the animation display command
15 is detected, calculating values of the display state information corresponding to
16 the elapsed time of each of the partial images based on the animation control
17 information at predetermined times, instructing the display data creation means to
18 create new display data by changing the display state of the partial image

19 according to the calculated values of the display state information, and stopping
20 the first timer when execution of the animation display command is completed;
21 wherein the display data creation means creates new display data according to the
22 animation display command execution unit.

1 3. (Original) The multi-media information playback device of claim 2, wherein the
2 page information includes:

3 (a) the partial image list having a pair of the partial image information and
4 display state information, the display state information including X-Y coordinates showing a
5 display position of the partial image to be displayed on the screen, X-Y enlargement rates
6 showing a ratio of size of the partial image shown by the partial image information and a partial
7 image to be displayed on the screen, and a rotational angle between the partial image shown by
8 the partial image information and a partial image to be displayed on the screen; and

9 (b) time sequence control information including the animation control
10 information which describes at least one among the values of the X-Y coordinates, the X-Y
11 enlargement rates, and the rotational angle corresponding to the elapsed time;

12 wherein the animation display command execution unit includes:

13 (a) an X-Y coordinates calculation unit for calculating the X-Y
14 coordinates corresponding to the elapsed time based on the animation control
15 information at predetermined times;

16 (b) an X-Y enlargement rate calculation unit for calculating the X-Y
17 enlargement rates corresponding to the elapsed time based on the animation
18 control information at predetermined times; and

19 (c) a rotational angle calculation unit for calculating the rotational
20 angle corresponding to the elapsed time based on the animation control
21 information at predetermined times.

1 4. (Original) The multi-media information playback device of Claim 3, wherein
2 there is at least one storage area on the [disc] recording medium for [successively] storing page
3 information and at least one storage area for [successively] storing time sequence information,
4 the page information including:

5 (a) the partial image list,

6 (b) the control information including a time sequence processing start
7 command instructing to start execution of time sequence processing corresponding to the elapsed
8 time, and

9 (c) time sequence control information including time sequence processing
10 control information having a name of time sequence information to be played back according to
11 the time sequence processing start command, IDs showing contents of the time sequence
12 information to be played back at predetermined times, and playback state information describing
13 how the time sequence information should be played back in accordance with display of the
14 partial image shown by the partial image information in the partial image list;

15 wherein the time sequence information has information, which should be played
16 back according to the elapsed time, stored in order of playback;

17 wherein the command execution means includes:

18 (a) a second clock unit for measuring the elapsed time after the start of
19 activation; and

(b) a time sequence processing execution unit for activating the second clock means when an input signal corresponding to the time sequence processing start command is detected, designating contents of the time sequence information corresponding to the elapsed time, and stopping the second clock unit when playback of the time sequence information is completed;

wherein the multi-media information playback device further includes:

(a) a page storage means, which is implemented by RAM, for storing the page information read by the page information read means;

(b) a time sequence information read means for reading the time sequence information designated by the time sequence processing execution unit from the [disk] recording medium; and

(c) a playback means for playing back the time sequence information read by the time sequence information read means, and instructing the display means to display the time sequence information.

5. (Original) The multi-media information playback device of claim 4, wherein the page information includes:

(a) the partial image list,

(b) the control information, and

(c) time sequence control information including time sequence processing control information having a name of first time sequence information as time sequence information to be played back according to the time sequence processing start command, IDs of sound information to be played back at predetermined times, and playback state information

9 which describes how sound information should be played back in accordance with display of the
10 partial image shown by the partial image information in the partial image list;

11 wherein the time sequence information includes the first time sequence
12 information comprising sound information corresponding to the ID of sound information, the
13 sound information being divided into equal predetermined sizes and placed in order of playback
14 corresponding to the elapsed time;

15 wherein the time sequence processing execution unit includes a first time
16 sequence processing execution unit for designating the sound information in the first time
17 sequence information corresponding to the elapsed time at predetermined times, when a name of
18 the first time sequence information is shown by the time sequence processing control
19 information;

20 wherein the playback means includes a sound playback unit for playing back the
21 sound information.

1 6. (Original) The multi-media information playback device of claim 4, wherein the
2 page information includes:

3 (a) the partial image list,

4 (b) the control information, and

5 (c) the time sequence control information including a name of a second time
6 sequence information as time sequence information to be played back according to the time
7 sequence processing start command, pairs of IDs of sound information and image information to
8 be played back at predetermined times, and the playback state information which describes at

9 least one of dynamic picture and animation should be displayed in an area relating to the partial
10 image shown by the partial image information;

11 wherein the time sequence information includes the second time sequence
12 information comprising sound information divided into equal predetermined sizes and image
13 information showing an image of at least one of the dynamic picture and the animation, the
14 sound information and the image information being placed in order of playback corresponding to
15 the elapsed time;

16 wherein the time sequence processing execution unit includes a second time
17 sequence processing execution unit for designating sound information and image information in
18 the second time sequence information corresponding to the elapsed time at predetermined times
19 when the second time sequence information is shown by the time sequence processing control
20 information, and instructing the display data creation means to create new display data by
21 placing the partial image read by the time sequence information read means in an area shown by
22 the playback state information;

23 wherein the display data creation means creates new display data according to the
24 second time sequence processing execution unit.

1 7. (Currently Amended) A multi-media information record device for recording
2 multi-media information in a [disc] recording medium, comprising:

3 (a) a partial image storage means for storing the partial image information of
4 at least one partial image in one partial image file, the partial image information being a part of
5 the screen image;

(b) a partial image list input means for receiving input of a name of at least one partial image file in the partial image storage means and display state information showing display state of the partial image shown by the partial image information in the partial image file;

(c) a page information storage means for having a plurality of separate small storage areas, each of which is used for storing at least a piece of page information which is made up of multi-media information that describes contents of a plurality of screen images;

(d) a partial image list write means for writing a pair of the partial image information and the display state information in a first small storage area in the page information storage means along with the Ids of the partial image information and the display state information, after reading partial image information from the partial image file whose name is inputted, the display state information being inputted according to the partial image information;

(e) a control information input means for receiving input of control information which includes a name of input signal and display state change command instructing to change display state of the partial image corresponding to the input signal;

(f) a control information write means for writing the inputted control information in a second small storage area in the page information storage means; and

(g) a page information record means for [successively] recording information, which is written as a piece of page information in each small storage area in the page information storage means, in a storage area on the [disc] recording medium.

8. (Original) The multi-media information record device of claim 7, wherein the control information includes animation display command instructing to change and display state information of the partial image corresponding to the elapsed time;

wherein the control information input means further includes an animation display command input unit for receiving input of a pair of an input signal and the animation display command;

wherein the multi-media information record device further includes:

(a) a time sequence control information input means for receiving time sequence control information including animation control information, the animation control information describing how display state of the partial image changes according to the elapsed time; and

(b) a time sequence control information write means for writing the inputted time sequence control information in a third small storage area in the page information storage means.

9. (Original) The multi-media information record device of claim 8, wherein the partial image list input means further includes a display state information input unit for receiving input of display state information for each piece of partial image information, the display information including X-Y coordinates showing a display position of the partial image to be displayed on the screen, X-Y enlargement rates showing a ratio of size of the partial image shown by the partial image information and a partial image to be displayed on the screen, and a rotational angle between the partial image shown by the partial image information and a partial image to be displayed on the screen;

wherein the time sequence control information input means receives input of animation control information which describes how at least one among the values of the X-Y

11 coordinates, the X-Y enlargement rates, and the rotational angle changes corresponding to the
12 elapsed time.

1 10. (Original) A multi-media information playback device for reading multi-media
2 information from a data server connected via a network and playing back the multi-media
3 information, comprising:

4 (a) a page information read means for reading a piece of page information,
5 which is made up of multi-media information that describes contents of a plurality of screen
6 images, stored as one file from a data server connected via a network, the page information
7 including:

8 (1) a partial image list having at least one pair of the partial image
9 information showing a partial image of a screen image and display state
10 information describing display state of the partial image, and

11 (2) control information which describes a command to be executed
12 according to an input signal, including a display state change command
13 instructing to change the display state of the partial image;

14 (b) a display data creation means for creating display data of the screen image
15 by placing the partial image shown by the partial image information on a screen;

16 (c) a display means for displaying each display data created by the display
17 data creation means;

18 (d) an input means for receiving an input signal from an operator; and

19 (e) a command execution means for detecting the input signal inputted by the
20 operator, judging whether the input signal corresponds to the command described by the control

21 information in the page information read by the page information read means, and instructing the
22 display data creation means to create new display data by changing the display state of the
23 corresponding partial image according to the display state change command when the input
24 signal corresponds to the display state change command;

25 wherein the display data creation means creates new display data according to the
26 command execution means.

1 11. (Original) The multi-media information playback device of claim 10, wherein the
2 page information including:

- 3 (a) the partial image list;
- 4 (b) the control information including the animation display instructing to
5 change and display state information of the partial image corresponding to the elapsed time; and
- 6 (c) time sequence control information including animation control
7 information which describes values of display state information of the partial image
8 corresponding to the elapsed time;

9 wherein the command execution means includes:

- 10 (a) a first timer for measuring the elapsed time after start of activation;

11 and

- 12 (b) an animation display command execution unit for activating the
13 first timer when an input signal corresponding to the animation display command
14 is detected, calculating values of the display state information corresponding to
15 the elapsed time of each of the partial images based on the animation control
16 information at predetermined times, instructing the display data creation means to

17 create new display data by changing the display state of the partial image
18 according to the calculated values of the display state information, and stopping
19 the first timer when execution of the animation display command is completed;
20 wherein the display data creation means creates new display data according to the
21 animation display command execution unit.

1 12. (Original) The multi-media information playback device of claim 11, wherein the
2 page information including:

3 (a) the partial image list having of at least one pair of the partial image
4 information and the display state information including X-Y coordinates showing a display
5 position of the partial image to be displayed on the screen, X-Y enlargement rates showing a
6 ratio of size of the partial image shown by the partial image information and the partial image to
7 be displayed on the screen, and a rotational angle between the partial image shown by the partial
8 image information and the partial image to be displayed on the screen;

9 (b) the control information including the animation display command; and

10 (c) time sequence control information including the animation control
11 information which describes at least one among the values of the X-Y coordinates, the X-Y
12 enlargement rates, and the rotational angle corresponding to the elapsed time;

13 wherein the animation display command execution unit includes:

14 (a) an X-Y coordinates calculation unit for calculating the X-Y
15 coordinates corresponding to the elapsed time based on the animation control
16 information at predetermined times;

(b) an X-Y enlargement rate calculation unit for calculating the X-Y enlargement rates corresponding to the elapsed time based on the animation control information at predetermined times; and

(c) a rotational angle calculation unit for calculating the rotational angle corresponding to the elapsed time based on the animation control information at predetermined times.

13. (Original) The multi-media information playback device of claim 12, wherein the page information including:

(a) the partial image list;

(b) the control information including a time sequence processing start command instructing to start execution of time sequence processing corresponding to the elapsed time; and

(c) time sequence control information including time sequence processing control information having a name of time sequence information to be played back according to the time sequence processing start command, Ids showing contents of the time sequence information to be played back at predetermined times, and playback state information describing how the time sequence information should be played back in accordance with display of the partial image shown by the partial image information in the partial image list;

wherein the command execution means includes:

(a) a second timer for measuring the elapsed time after the start of activation; and

16 (b) a time sequence processing execution unit for activating the second
17 timer when an input signal corresponding to the time sequence processing start
18 command is detected, designating contents of the time sequence information
19 corresponding to the elapsed time, and stopping the second timer when playback
20 of the time sequence information is completed;

21 wherein the multi-media information playback device further includes:

22 (a) a page storage means, which is implemented by RAM, for storing
23 the page information read by the page information read means;

24 (b) a time sequence information read means for reading contents of the
25 time sequence information designated by the time sequence processing execution
26 unit from the time sequence information stored as one file in the data server via a
27 network, the time sequence information having contents in order of playback
28 corresponding to the elapsed time and its name being included in the time
29 sequence control information; and

30 (c) a playback means for playing back the time sequence information
31 ready by the time sequence information read means, and instructing the display
32 means to display the time sequence information.

1 14. (Original) The multi-media information playback device in claim 13, wherein the
2 page information including:

3 (a) the partial image list;

4 (b) the control information; and

(c) time sequence control information including time sequence processing control information having a name of the first time sequence information as time sequence information to be played back according to the time sequence processing start command, sound information to be played back according to the elapsed time of the first time sequence information, and

playback state information describing how the sound information should be played back in accordance with display of the partial image shown by partial image information in the partial image list;

wherein the time sequence processing execution unit includes a first time sequence processing execution unit for designating the sound information in the first time sequence information corresponding to the elapsed time at predetermined times, when a name of the first time sequence information is shown by the time sequence processing control information;

wherein the time sequence information read means reads the sound information designated by first time sequence processing execution unit from the first time sequence information stored as one file in the data server, the first time sequence information describing the divided sound information in order of playback corresponding to the elapsed time and its name being included in the time sequence control information;

wherein the playback means includes a sound playback unit for playing back the sound information.

1 15. (Original) The multi-media information playback device of claim 13, wherein the
2 page information including:

- 3 (a) the partial image list;
4 (b) the control information; and
5 (c) the time sequence control information including a name of the second time
6 sequence information as time sequence information to be played back according to the time
7 sequence processing start command, a pair of sound information and image information to be
8 played back corresponding to the elapsed time of the second time sequence information, and
9 playback state information which describes at least one of dynamic picture and animation should
10 be displayed in the area relating to the partial image shown by the partial image information;

11 wherein the time sequence processing execution unit includes a second time
12 sequence processing execution unit for designating sound information and image information in
13 the second time sequence information corresponding to the elapsed time at predetermined times
14 when the second time sequence information is shown by the time sequence processing control
15 information, and instructing the display data creation means to create new display data by
16 placing the partial image read by the time sequence information read means in an area shown by
17 the playback state information;

18 wherein the time sequence information read means reads the sound information
19 and the screen image information designated by the second time sequence processing execution
20 unit from the second time sequence information stored as one file in the data server, the time
21 sequence information describing the divided sound information in order of playback and the
22 screen image information describing one screen image of at least one of motion picture and

23 animation corresponding to the elapsed time and its name being included in the time sequence
24 control information;

25 wherein the display data creation means creates new display data according to the
26 second time sequence processing execution unit.

1 16. (Original) A multi-media information record device for recording multi-media
2 information in a data server connected via a network, comprising:

3 (a) a partial image storage means for storing the partial image information of
4 at least one partial image in one partial image file, the partial image information being a part of
5 the screen image;

6 (b) a partial image list input means for receiving input of a name of at least
7 one partial image file in the partial image storage means and display state information showing
8 display state of the partial image shown by the partial image information in the partial image file;

9 (c) a page information storage means for having a plurality of separate small
10 storage areas, each of which is used for storing at least a piece of page information which is
11 made up of multi-media information that describes contents of a plurality of screen images;

12 (d) a partial image list write means for writing a pair of the partial image
13 information and the display state information in a first small storage area in the page information
14 storage means along with the Ids of the partial image information and the display state
15 information, after reading partial image information from the partial image file whose name is
16 inputted, the display state information being inputted according to the partial image information;

17 (e) a control information input means for receiving input of control
18 information which includes a name of input signal and display state change command instructing
19 to change display state of the partial image corresponding to the input signal;

20 (f) a control information write means for writing the inputted control
21 information in a second small storage area in the page information storage means; and

22 (g) a page information record means for recording contents of a piece of page
23 information in one file in the data server after transmitting contents written as a piece of page
24 information in each storage area in the page information storage means to a data server along
25 with its write request.

1 17. (Original) The multi-media information record device of claim 16, wherein the
2 control information includes animation display command instructing to change and display state
3 information of the partial image corresponding to the elapsed time;

4 wherein the control information input means further includes an animation display
5 command input unit for receiving input of a pair of an input signal and the animation display
6 command;

7 wherein the multi-media information record device further includes:

8 (a) a time sequence control information input means for receiving time
9 sequence control information including animation control information, the
10 animation control information describing how display state of the partial image
11 changes according to the elapsed time; and

12 (b) a time sequence control information write means for writing the
13 inputted time sequence control information in a third small storage area in the
14 page information storage means.

1 18. (Original) The multi-media information record device of claim 17, wherein the
2 partial image list input means further includes a display state information input unit for receiving
3 input of display state information for each piece of partial image information, the display
4 information including X-Y coordinates showing a display position of the partial image to be
5 displayed on the screen, X-Y enlargement rates showing a ratio of size of the partial image
6 shown by the partial image information and a partial image to be displayed on the screen, and a
7 rotational angle between the partial image shown by the partial image information and a partial
8 image to be displayed on the screen;

9 wherein the time sequence control information input means receives input of
10 animation control information which describes how at least one among the values of the X-Y
11 coordinates, the X-Y enlargement rates, and the rotational angle changes corresponding to the
12 elapsed time.

1 19. (Original) A multi-media information record device for recording multi-media
2 information in a disc, comprising:

3 (a) a partial image storage means for storing the partial image information of
4 at least one partial image in one partial image file, the partial image information being a part of
5 the screen image;

(b) a partial image list input means for receiving input of a name of at least one partial image file in the partial image storage means and display state information showing display state of the partial image shown by the partial image information in the partial image file;

wherein the partial image list input means further includes a display state information input unit for receiving input of display state information for each piece of partial image information, the display information including X-Y coordinates showing a display position of the partial image to be displayed on the screen, X-Y enlargement rates showing a ratio of size of the partial image shown by the partial image information and a partial image to be displayed on the screen, and a rotational angle between the partial image shown by the partial image information and a partial image to be displayed on the screen;

(c) a page information storage means for having a plurality of separate small storage areas, each of which is used for storing at least a piece of page information;

(d) a partial image list write means for writing a pair of the partial image information and the display state information in a first small storage area in the page information storage means along with the Ids of the partial image information and the display state information, after reading partial image information from the partial image file whose name is inputted, the display state information being inputted according to the partial image information;

(e) a control information input means for receiving input of control information which includes a name of input signal and display state change command instructing to change display state of the partial image corresponding to the input signal;

wherein the control information includes animation display command instructing to change and display state information of the partial image corresponding to the elapsed time;

28 wherein the control information input means further includes an animation display
29 command input unit for receiving input of a pair of an input signal and the animation display
30 command;

31 (f) a control information write means for writing the inputted control
32 information in a second small storage area in the page information storage means;

33 (g) a page information record means for [successively] recording information,
34 which is written as a piece of page information in each small storage area in the page information
35 storage means, in a storage area on the disc;

36 (h) a time sequence control information input means for receiving time
37 sequence control information including animation control information, the animation control
38 information describing how display state of the partial image changes according to the elapsed
39 time;

40 wherein the time sequence control information input means receives input of
41 animation control information which describes how at least one among the values of the X-Y
42 coordinates, the X-Y enlargement rates, and the rotational angle changes corresponding to the
43 elapsed time;

44 (i) a time sequence control information write means for writing the inputted
45 time sequence control information in a third small storage area in the page information storage
46 means;

47 (j) a time sequence information storage means having a piece of time
48 sequence information stored in each time sequence information file, the time sequence
49 information having information written in order of playback corresponding to the elapsed time;
50 and

51 (k) a time sequence information record means for [successively] recording time
52 sequence information in a storage area on the disc after receiving input of a name of at least one
53 time sequence information file in the time sequence information storage means, reading time
54 sequence information from the time sequence information file whose name is inputted, and
55 correlating the time sequence information with a name of time sequence information
56 corresponding to the name of the file;

57 wherein the control information input means further includes a time sequence
58 processing start command input unit for receiving input of a pair of an input signal and a time
59 sequence processing start command in the control information, the time sequence processing
60 start command instructing to start execution of time sequence processing corresponding to the
61 elapsed time and being included in the control information;

62 wherein the time sequence control information input means further includes a
63 time sequence processing control information input unit for receiving input of the time sequence
64 processing control information which includes a name of time sequence information to be played
65 back according to the time sequence processing start command, the showing contents of the time
66 sequence information to be played back at predetermined times, and playback state information
67 which describes how the time sequence information should be played back in accordance with
68 display of the partial image list, the time sequence processing control information being included
69 in the time sequence control information.

1 20. (Original) The multi-media information record device of claim 19, wherein the
2 time sequence information includes first time sequence information in which sound information

3 is divided into predetermined equal data sizes, the sound information being written along with its
4 ID in order of playback corresponding to the elapsed time;

5 wherein the time sequence information record means includes a first time
6 sequence information record unit for recording first time sequence information in the disc after
7 reading the first time sequence information from the time sequence information file, whose name
8 is inputted, when a name of the first time sequence information is inputted; and

9 wherein the time sequence processing control information input unit includes first
10 time sequence processing control information input unit for receiving input of first time sequence
11 processing control information which includes a name of first time sequence information to be
12 played back according to time sequence processing start command of the page information, Ids
13 of sound information to be played back at predetermined times, and playback state information
14 which describes how the sound information should be played back in accordance with display of
15 the partial image shown by the partial image information in the partial image list, the first time
16 sequence control information being included in the time sequence processing control
17 information.

1 21. (Original) The multi-media information record device of claim 19, wherein the
2 time sequence information record means includes a second time sequence information record
3 unit for recording second time sequence information in the disc after reading the second time
4 sequence information from the time sequence information file, whose name is inputted, when a
5 name of the second time sequence information is inputted, the second time sequence information
6 having sound information divided into predetermined equal data sizes, image information
7 showing one screen image of at least one of animation and dynamic picture and Ids of the sound

8 information and the image information written in order of playback corresponding to the elapsed
9 time; and

10 wherein the time sequence processing control information input unit includes a
11 second time sequence processing control information input unit for receiving input of second
12 time sequence processing control information which includes a name of second time sequence
13 information to be played back according to time sequence processing start command of the page
14 information, pairs of Ids of sound information and image information to be played back at
15 predetermined times, and the playback state information describing at least one of dynamic
16 picture and animation should be displayed in an area relating to partial image shown by the
17 partial image information in the partial image list.

1 22. (Original) A multi-media information record device for recording multi-media
2 information in a data server connected via a network, comprising:

3 (a) a partial image storage means for storing the partial image information of
4 at least one partial image in one partial image file, the partial image information being a part of
5 the screen image;

6 (b) a partial image list input means for receiving input of a name of at least
7 one partial image file in the partial image storage means and display state information showing
8 display state of the partial image shown by the partial image information in the partial image file;

9 (c) a page information storage means for having a plurality of separate small
10 storage areas, each of which is used for storing at least a piece of page information which is
11 made up of multi-media information that describes contents of a plurality of screen images;

12 (d) a partial image list write means for writing a pair of the partial image
13 information and the display state information in a first small storage area in the page information
14 storage means along with the Ids of the partial image information and the display state
15 information, after reading partial image information from the partial image file whose name is
16 inputted, the display state information being inputted according to the partial image information;

17 wherein the partial image list input means further includes a display state
18 information input unit for receiving input of display state information for each piece of partial
19 image information, the display information including X-Y coordinates showing a display
20 position of the partial image to be displayed on the screen, X-Y enlargement rates showing a
21 ratio of size of the partial image shown by the partial image information and a partial image to be
22 displayed on the screen, and a rotational angle between the partial image shown by the partial
23 image information and a partial image to be displayed on the screen;

24 (e) a control information input means for receiving input of control
25 information which includes a name of input signal and display state change command instructing
26 to change display state of the partial image corresponding to the input signal;

27 wherein the control information includes animation display command instructing
28 to change and display state information of the partial image corresponding to the elapsed time;

29 wherein the control information input means further includes an animation display
30 command input unit for receiving input of a pair of an input signal and the animation display
31 command;

32 (f) a control information write means for writing the inputted control
33 information in a second small storage area in the page information storage means;

34 (g) a page information record means for recording contents of a piece of page
35 information in one file in the data server after transmitting contents written as a piece of page
36 information in each storage area in the page information storage means to a data server along
37 with its write request;

38 (h) a time sequence control information input means for receiving time
39 sequence control information including animation control information, the animation control
40 information describing how display state of the partial image changes according to the elapsed
41 time;

42 wherein the time sequence control information input means receives input of
43 animation control information which describes how at least one among the values of the X-Y
44 coordinates, the X-Y enlargement rates, and the rotational angle changes corresponding to the
45 elapsed time;

46 (i) a time sequence control information write means for writing the inputted
47 time sequence control information in a third small storage area in the page information storage
48 means;

49 (j) a time sequence information storage means having a piece of time
50 sequence information stored in each time sequence information file, the time sequence
51 information having information written in order of playback corresponding to the elapsed time;
52 and

53 (k) a time sequence information record means for recording contents of time
54 sequence information in one file in the data server for each piece of time sequence information,
55 after receiving a name of at least one time sequence information file in the time sequence
56 information storage means, reading time sequence information from the time sequence

57 information file whose name is inputted, correlating the time sequence information with a name
58 of time sequence information corresponding to the file, and transmitting the time sequence
59 information to the data server along with its write request;

60 wherein the control information input means further includes a time sequence
61 processing start command input unit for receiving input of a pair of an input signal and a time
62 sequence processing start command in the control information, the time sequence processing
63 start command instructing to start execution of time sequence processing corresponding to the
64 elapsed time and being included in the control information; wherein the time sequence control
65 information input means further includes a time sequence processing control information input
66 unit for receiving input of the time sequence processing control information which includes a
67 name of time sequence information to be played back according to the time sequence processing
68 start command, IDs showing contents of the time sequence information to be played back at
69 predetermined times, and playback state information which describes how the time sequence
70 information should be played back in accordance with display of the partial image shown by the
71 partial image information in the partial image list, the time sequence processing control
72 information being included in the time sequence control information.

1 23. (Original) The multi-media information record device of claim 22, wherein the
2 time sequence information includes first time sequence information in which sound information
3 is divided into predetermined equal data sizes, the sound information being written along with its
4 ID in order of playback corresponding to the elapsed time; wherein the time sequence
5 information record means includes a first time sequence information record unit for recording
6 first time sequence information in the disc after reading the first time sequence information from

7 the time sequence information file, whose name is inputted, when a name of the first time
8 sequence information is inputted; wherein the time sequence processing control information
9 input unit includes first time sequence processing control information input unit for receiving
10 input of first time sequence processing control information which includes a name of first time
11 sequence information to be played back according to time sequence processing start command of
12 the page information, IDs of sound information to be played back at predetermined times, and
13 playback state information which describes how the sound information should be played back in
14 accordance with display of the partial image shown by the partial image information in the
15 partial image list, the first time sequence control information being included in the time sequence
16 processing control information.

1 24. (Original) The multi-media information record device of claim 22, wherein the
2 time sequence information record means includes a second time sequence information record
3 unit for recording second time sequence information in the disc after reading the second time
4 sequence information from the time sequence information file, whose name is inputted, when a
5 name of the second time sequence information is inputted, the second time sequence information
6 having sound information divided into predetermined equal data sizes, image information
7 showing one screen image of at least one of animation and dynamic picture and IDs of the sound
8 information and the image information written in order of playback corresponding to the elapsed
9 time;

10 wherein the time sequence processing control information input unit includes a
11 second time sequence processing control information input unit for receiving input of second
12 time sequence processing control information which includes a name of second time sequence

information to be played back according to time sequence processing start command of the page information, pairs of Ins of sound information and image information to be played back at predetermined times, and the playback state information describing at least one of dynamic picture and animation should be displayed in an area relating to partial image shown by the partial image information in the partial image list.

25. (Original) A multi-media information playback device which plays back multi-media information recorded in a recording medium comprising:

(a) a disc having pieces of page information [successively] stored in a storage area, each piece of page information being made up of multi-media information that describes contents of a plurality of screen images, the page information including:

(1) a partial image list having a pair of partial image information showing a partial image of a screen image and display state information showing display state of the partial image,

(2) control information which describes a command to be executed according to an input signal, the control information including:

a display state change command instructing to change the display state of the partial image;

an animation display command instructing to change and display the display state information of the partial image corresponding to elapsed time; and

a time sequence processing start command instructing to start execution of time sequence processing corresponding to the elapsed time;

18 (3) time sequence control information having information,
19 which should be played back according to the elapsed time, stored in order
20 of playback, the time sequence control information including:

21 (a) animation control information which describes
22 values of the display state information of the partial image
23 corresponding to the elapsed time; and

24 (b) time sequence processing control information
25 having a name of time sequence information to be played back
26 according to the time sequence processing start command, IDs
27 showing contents of the time sequence information to be played
28 back at predetermined times, and playback state information
29 describing how the time sequence information should be played
30 back in accordance with display of the partial image shown by the
31 partial image information in the partial image list;

32 (b) a page information read means for reading a piece of page information
33 from the disc;

34 (c) a display data creation means for creating display data of the screen image
35 by placing the partial image shown by the partial image information on a screen;

36 (d) a display means for displaying each display data created by the display
37 data creation means;

38 (e) an input means for receiving an input signal from an operator; and

39 (f) a command execution means for detecting the input signal inputted by the
40 operator, judging whether the input signal corresponds to the command described by the control

information in the page information read by the page information read means, and instructing the display data creation means to create new display data by changing the display state of the corresponding partial image according to the display state change command when the input signal corresponds to the display state change command; the command execution means including:

(1) a first timer for measuring the elapsed time after start of activation;

(2) an animation display command execution unit for activating the first timer when an input signal corresponding to the animation display command is detected, calculating values of the display state information corresponding to the elapsed time of each of the partial images based on the animation control information at predetermined times, instructing the display data creation means to create new display data by changing the display state of the partial image according to the calculated values of the display state information, and stopping the first timer when execution of the animation display command is completed;

(3) a second timer for measuring the elapsed time after the start of activation; and

(4) a time sequence processing execution unit for activating the second timer when an input signal corresponding to the time sequence processing start command is detected, designating contents of the time sequence information corresponding to the elapsed time, and stopping the second timer when playback of the time sequence information is completed;

wherein the display data creation means creates new display data according to the animation display command execution unit;

64 (g) a page storage means, which is implemented by RAM, for storing the page
65 information read by the page information read means;

66 (h) a time sequence information read means for reading the time sequence
67 information designated by the time sequence processing execution unit from the disk; and

68 (i) a playback means for playing back the time sequence information read by
69 the time sequence information read means, and instructing the display means to display the time
70 sequence information.

1 26. (Original) A multi-media information playback device which plays back multi-
2 media information recorded in a recording medium comprising:

3 (a) a disc having pieces of page information [successively] stored as one file
4 from a data server connected via a network, each piece of page information being made up of
5 multi-media information that describes contents of a plurality of screen images, the page
6 information including:

7 (1) a partial image list having a pair of partial image information
8 showing a partial image of a screen image and display state information showing
9 display state of the partial image,

10 (2) control information which describes a command to be executed
11 according to an input signal, the control information including:

12 a display state change command instructing to change the display
13 state of the partial image;

14 an animation display command instructing to change and display
15 the display state information of the partial image corresponding to elapsed
16 time; and

17 a time sequence processing start command instructing to start
18 execution of time sequence processing corresponding to the elapsed time;

19 (3) time sequence control information having information, which
20 should be played back according to the elapsed time, stored in order of playback,
21 the time sequence control information including:

22 (a) animation control information which describes values of
23 the display state information of the partial image corresponding to the
24 elapsed time; and

25 (b) time sequence processing control information having a
26 name of time sequence information to be played back according to the
27 time sequence processing start command, IDs showing contents of the
28 time sequence information to be played back at predetermined times, and
29 playback state information describing how the time sequence information
30 should be played back in accordance with display of the partial image
31 shown by the partial image information in the partial image list;

32 (b) a page information read means for reading a piece of page information
33 from the disc;

34 (c) a display data creation means for creating display data of the screen image
35 by placing the partial image shown by the partial image information on a screen;

36 (d) a display means for displaying each display data created by the display
37 data creation means;

38 (e) an input means for receiving an input signal from an operator; and

39 (f) a command execution means for detecting the input signal inputted by the
40 operator, judging whether the input signal corresponds to the command described by the control
41 information in the page information read by the page information read means, and instructing the
42 display data creation means to create new display data by changing the display state of the
43 corresponding partial image according to the display state change command when the input
44 signal corresponds to the display state change command; the command execution means
45 including:

46 (1) a first timer for measuring the elapsed time after start of activation;

47 (2) an animation display command execution unit for activating the
48 first timer when an input signal corresponding to the animation display command
49 is detected, calculating values of the display state information corresponding to
50 the elapsed time of each of the partial images based on the animation control
51 information at predetermined times, instructing the display data creation means to
52 create new display data by changing the display state of the partial image
53 according to the calculated values of the display state information, and stopping
54 the first timer when execution of the animation display command is completed;

55 (3) a second timer for measuring the elapsed time after the start of
56 activation; and

57 (4) a time sequence processing execution unit for activating the second
58 timer when an input signal corresponding to the time sequence processing start

59 command is detected, designating contents of the time sequence information
60 corresponding to the elapsed time, and stopping the second timer when playback
61 of the time sequence information is completed;
62 wherein the display data creation means creates new display data according to the
63 animation display command execution unit;
64 (g) a page storage means, which is implemented by RAM, for storing the page
65 information read by the page information read means;
66 (h) a time sequence information read means for reading the time sequence
67 information designated by the time sequence processing execution unit from the time sequence
68 information stored as one file in the data server via a network, the time sequence information
69 having contents in order of playback corresponding to the elapsed time and its name being
70 included in the time sequence control information; and
71 (i) a playback means for playing back the time sequence information read by
72 the time sequence information read means, and instructing the display means to display the time
73 sequence information.

Exhibit D



検索した番号は 159-29-53754-0(一般書留)です

状態 発生日	郵便局名	状態	備考	郵便番号	県名等
8月31日	守口	引受		570-8799	大阪
8月31日	守口	発送		570-8799	大阪
9月1日	新大阪	中継		539-8799	大阪
9月1日	枚方北	到着		573-1199	大阪
9月1日	枚方北	差出人に返送	転居先が不明のため	573-1199	大阪
9月1日	枚方北	発送		573-1199	大阪
9月2日	新大阪	中継		539-8799	大阪
9月2日	門真	到着		571-8799	大阪
9月2日 9:07	門真	差出人に返送済		571-8799	大阪

TOP 郵便局を調べる

小包

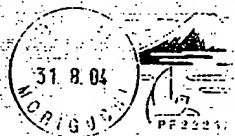
書留

翌朝10時郵便

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NIPPON



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枚方北
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〒573-1149
大阪府枚方市牧野北町5-3-207

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当五チーム 竹之内

RESULTS OF TRACKING THE REGISTERED MAIL

We found your "registered mail".

The mail ID we tracked is 159-29-53754-0 (general registered mail).

Date for Staus	Post Office	Status	Notes	Postal Code	Prefecture Etc.
Aug. 31	Moriguchi	Received		570-8799	Osaka
Aug. 31	Moriguchi	Transferred		570-8799	Osaka
Sep. 1	Shin-Osaka	Relayed		539-8799	Osaka
Sep. 1	Hirakata-Kita	Arrived		573-1199	Osaka
Sep. 1	Hirakata-Kita	Returned to Sender	Due to unknown new address	573-1199	Osaka
Sep. 1	Hirakata-Kita	Transferred		573-1199	Osaka
Sep. 2	Shin-Osaka	Relayed		539-8799	Osaka
Sep. 2	Kadoma	Arrived		571-8799	Osaka
Sep. 2 9:07	Kadoma	Delivered to Sender		571-8799	Osaka